



BERLAGLOW

PHOSPHORESCENT APPLICATIONS FOR THE WATCHMAKING INDUSTRY

Intensive research focused on sustainability has made it possible to develop sophisticated luminescent phosphors that set new standards by enabling products to retain their luminescence over an extended period of time. Designed and manufactured in Europe, these innovative top-class light batteries are specifically targeted to meet the high demands and expectations of the watchmaking industry.

TECHNOLOGICAL DESCRIPTION

The newly developed materials used in **BerlaGlow** products set new standards in respect of the intensity and duration of after-glow. During the development of this technology, special attention was focused on ensuring that phosphorescence was long-lasting and did not diminish in strength. These glow-in-the-dark inks and lacquers are resistant to water and therefore suffer neither greying nor the loss of luminescence over time that is associated with this. Needless to say, in line with physiological and ecological requirements, these systems are not radioactive and contain no listed heavy metals or other questionable substances. The materials are incorporated in binder systems specifically developed for this purpose and are supplied ready to use. This guarantees excellent processing and a uniform, top-quality finish.

FIELDS OF APPLICATION

BerlaGlow products have been especially developed to meet the demands and requirements inherent in the manufacture of top-quality watches. They produce an intensity and duration of luminescence several times higher than the standard values stipulated in the industry and subtly underscore the refined character of haute-horlogerie watches and chronographs. The products comprising the **BerlaGlow** range are designed for the visual and functional enhancement of watch dials, hands and bezels. The systems support all conventional methods of application, including screen and pad printing, spraying and casting. This ensures complete uniformity of the phosphorescent effect on dial, hands and bezel alike.

YOUR ADVANTAGES AT A GLANCE

- New standard in respect of intensity and duration of luminescence
 - Ready to use: mixing powder and binder is not necessary
 - Ideal for all methods of application: pad printing, screen printing, casting systems, spraying lacquers
 - Guaranteed long intensity and duration of phosphorescent effect
 - Broad spectrum of mass tones and phosphorescent colours, plus customer-specific shades
 - High relief application possible – surface adjustable from glossy to matt
 - Berlac AG know-how: specialist partner with decades of experience in the watchmaking industry
- Additional ancillary services, methods of application and binder systems are available



BERLAC
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Lacquers and Effects

PRODUCT PROFILE

Tested in accordance with	<ul style="list-style-type: none"> ● ISO 17514:2004 Time-measuring instruments – Photoluminescent deposits – Test methods and requirements ● DIN 67510 Long-afterglow pigments and products
Substrates	<ul style="list-style-type: none"> ● metals ● plastics ● coatings
Application	<ul style="list-style-type: none"> ● single or multiple coats
Systems	<ul style="list-style-type: none"> ● 813.xxx.xxx / Printing Ink ● 819.xxx.xxx / Spraying lacquer ● 869.xxx.xxx / Casting resin
Colours	<ul style="list-style-type: none"> ● in accordance with ISO 3157 and ISO 17514 ● possible range of shades is virtually unlimited
Special properties	<ul style="list-style-type: none"> ● not radioactive ● non-toxic ● water-resistant ● light-resistant, light fastness level 8 as per DIN 16525 ● endless use ● ready to use ● EU manufacture ● extremely long afterglow ● all areas of application ● very good for application on White 013.010.100
Other products / services	<ul style="list-style-type: none"> ● BerlaSign industrial phosphorescent inks ● BerlaPlast phosphorescent masterbatch ● hard coating of metals ● temporary protective films

BERLAC AG – COATING SYSTEMS TO GIVE YOUR PRODUCTS STRIKING ADDED VALUE

The production of premium-grade special and effect coatings as well as printing inks for decorative and functional applications on plastic, chromium-plated and metallised substrates, carbon fibre composites, metal and glass has been our speciality since 1926.

Whether you are an industrial contract coater, a tier-one or tier-two supplier coating in-house or an OEM, you will find us your ideal development partner for innovative niche solutions that call for interdisciplinary knowhow and precise adjustment to the processes of all your supply-chain partners. We accompany your innovative surface projects in close collaboration every step of the way from initial concept to technical finetuning for series applications on site.

Our comprehensive expertise and experience in manufacturing a product portfolio that ranges from primers through printing inks enables us to supply ideally coordinated integrated solutions (thermal and UV-curing) in the realm of solvent-based and waterborne spray coating systems and industrial screen and pad printing inks. Our innovative solutions for demanding coating tasks – also available in very small batches and for small series production – cater primarily to the following sectors: automotive, spectacle frames, domestic appliances, hearing aids, children's toys, medical technology, sanitary fittings, writing implements, sport, watchmaking and jewellery.

Headquartered in Sissach, just outside Basel in Switzerland, Berlac AG is one of the nine brands that comprise the Berlac Group, a globally-active group of medium-sized companies committed to the development and manufacture of top-flight solutions for finishing and protecting surfaces and for colouring plastics.



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